

Amendments to the Claims:

The following listing of claims will replace all prior versions and/or listings of claims in the application:

Listing of Claims:

1-80. (Canceled)

81. (Currently amended): A method performed in a Financial Service Organization (FSO) computer system, the method comprising:

configuring one or more processing parameter values for use in processing transaction-related data in the FSO computer system;

reading a key definition from a database in response to receiving a request for a processing parameter from a first program, wherein the key definition includes comprising the identity of one or more data element values in a set of transaction-related data;

selecting a search mask table that corresponds to the key definition, wherein the selected search mask table comprisinges one or more search masks;

reading a first search mask from the selected search mask table, wherein the first search mask comprisinges one or more search mask fields, wherein each of the one or more search mask fields correspondings to one of the one or more data element values identified in the key definition, and wherein each of the one or more search mask fields comprisinges a search mask field value;

transferring one of the one or more data element values read from the transaction-related data to a first processing key value in response to the search mask field value indicating that the data element value from the transaction-related data is to be written to the processing key value;

setting the first processing key value to a wildcard value if the search mask field value comprises a wildcard search mask field value;

comparing the first processing key value to one or more key values in the database;

if a match is found between the first processing key value and one of the one or more key values stored in the database, reading from the database a processing parameter value associated with the matching key value from the database in response to finding a match between the first processing key value and one of the one or more key values stored in the database;

if a match is not found between the first processing key value and one of the one or more key values stored in the database:

creating one or more additional processing key values ~~if the first processing key value does not match any of the one or more key values stored in the database, wherein the~~ one or more additional processing key values ~~are being~~ formed using one or more additional search masks obtained from the selected search mask table;

comparing the one or more additional processing key values to one or more key values in the database until a match is found between at least one of the one or more additional processing key values; and

reading from the database a processing parameter value associated with the matching key value;

sending the processing parameter value associated with the matching key value in the database to the first program;

~~wherein the processing parameter value sent to the first program is configured for use in processing the transaction related data in the FSO computer system.~~

82. (Previously presented): The method of claim 81, wherein the one or more key values in the database are defined by the user of the FSO computer system during the configuration of the FSO computer system, wherein the configuration of the FSO computer system occurs when a software program on the FSO computer system is initially set up for processing FSO transactions.

83. (Previously presented): The method of claim 81, wherein the database further comprises a plurality of processing parameter tables, wherein each processing parameter table comprises one or more rows, wherein each row in the processing parameter table comprises one processing parameter value and one key value.

84. (Previously presented): The method of claim 83, wherein the key definition is one of a plurality of key definitions in the database, wherein each of the plurality of key definitions in the database is associated with one of the plurality of processing parameter tables in the database.

85. (Previously presented): The method of claim 84, wherein the plurality of key definitions are stored in one or more key definition tables, each key definition table being associated with one or more of the plurality of processing parameter tables, wherein reading the key definition from the database comprises reading the key definition from one of the key definition tables.

86. (Currently amended): A computer system for processing Financial Service Organization (FSO) transactions, the system comprising:

a computer program;

a Financial Service Organization (FSO) computer system;

wherein the computer program is executable on the computer system to execute:

configuring one or more processing parameter values for use in processing transaction-related data in the FSO computer system;

reading a key definition from a database in response to receiving a request for a processing parameter from a first program, wherein the key definition includes comprising the identity of one or more data element values in a set of transaction-related data;

selecting a search mask table that corresponds to the key definition, wherein the

selected search mask table comprisinges one or more search masks; reading a first search mask from the selected search mask table, wherein the first search mask comprisinges one or more search mask fields, wherein each of the one or more search mask fields correspondings to one of the one or more data element values identified in the key definition, and wherein each of the one or more search mask fields comprisinges a search mask field value; transferring one of the one or more data element values read from the transaction-related data to a first processing key value in response to the search mask field value indicating that the data element value from the transaction-related data is to be written to the processing key value; setting the first processing key value to a wild card value if the search mask field value comprises a wildcard search mask field value; comparing the first processing key value to one or more key values in the database;

if a match is found between the first processing key value and one of the one or more key values stored in the database, reading a processing parameter value from the database in response to finding a match between the first processing key value and one of the one or more key values stored in the database;

if a match is not found between the first processing key value and one of the one or more key values stored in the database:

creating one or more additional processing key values if the first processing key value does not match any of the one or more key values stored in the database, wherein the one or more additional processing key values are being formed using one or more additional search masks obtained from the selected search mask

table;
comparing the one or more additional processing key values to one or
more key values in the database until a match is found between at
least one of the one or more additional processing key values; and
reading from the database a processing parameter value associated with
the matching key value;
sending the processing parameter value associated with the matching key value in
the database to the first program;
~~wherein the processing parameter value sent to the first program is configured for~~
~~use in processing the transaction related data in the FSO computer system.~~

87. (Previously presented): The system of claim 86, wherein the one or more key values in the database are defined by the user of the FSO computer system during the configuration of the FSO computer system, wherein the configuration of the FSO computer system occurs when a software program on the FSO computer system is initially set up for processing FSO transactions.

88. (Previously presented): The system of claim 86, wherein the database further comprises a plurality of processing parameter tables, wherein each processing parameter table comprises one or more rows, wherein each row in the processing parameter table comprises one processing parameter value and one key value.

89. (Previously presented): The system of claim 88, wherein the key definition is one of a plurality of key definitions in the database, wherein each of the plurality of key definitions in the database is associated with one of the plurality of processing parameter tables in the database.

90. (Previously presented): The system of claim 89, wherein the plurality of key definitions are stored in one or more key definition tables, each key definition table being associated with one or

more of the plurality of processing parameter tables, wherein reading the key definition from the database comprises reading the key definition from one of the key definition tables.

91. (Currently amended): A ~~carrier computer readable~~ medium comprising program instructions, wherein the program instructions are executable by a Financial Service Organization (FSO) computer system to implement:

configuring one or more processing parameter values for use in processing transaction-related data in the FSO computer system;

reading a key definition from a database in response to receiving a request for a processing parameter from a first program, ~~wherein~~ the key definition ~~includes~~ comprising the identity of one or more data element values in a set of transaction-related data;

selecting a search mask table that corresponds to the key definition, ~~wherein~~ the selected search mask table ~~comprising~~es one or more search masks;

reading a first search mask from the selected search mask table, ~~wherein~~ the first search mask ~~comprising~~es one or more search mask fields, ~~wherein~~ each of the one or more search mask fields ~~corresponding~~s to one of the one or more data element values identified in the key definition, and ~~wherein~~ each of the one or more search mask fields ~~comprising~~es a search mask field value;

transferring one of the one or more data element values read from the transaction-related data to a first processing key value in response to the search mask field value indicating that the data element value from the transaction-related data is to be written to the processing key value;

setting the first processing key value to a wildcard value if the search mask field value comprises a wildcard search mask field value;

comparing the first processing key value to one or more key values in the database; if a match is found between the first processing key value and one of the one or more key

values stored in the database, reading from the database a processing parameter value associated with the matching key value from the database in response to finding a match between the first processing key value and one of the one or more key values stored in the database;

if a match is not found between the first processing key value and one of the one or more key values stored in the database:

creating one or more additional processing key values if the first processing key value does not match any of the one or more key values stored in the database, wherein the one or more additional processing key values are being formed using one or more additional search masks obtained from the selected search mask table;

comparing the one or more additional processing key values to one or more key values in the database until a match is found between at least one of the one or more additional processing key values; and

reading from the database a processing parameter value associated with the matching key value;

sending the processing parameter value associated with the matching key value in the database to the first program;

wherein the processing parameter value sent to the first program is configured for use in processing the transaction related data in the FSO computer system.

92. (Currently amended): The computer readable carrier medium of claim 91, wherein the one or more key values in the database are defined by the user of the FSO computer system during the configuration of the FSO computer system, wherein the configuration of the FSO computer system occurs when a software program on the FSO computer system is initially set up for processing FSO transactions.

93. (Currently amended): The computer readable carrier-medium of claim 91, wherein the database further comprises a plurality of processing parameter tables, wherein each processing parameter table comprises one or more rows, wherein each row in the processing parameter table comprises one processing parameter value and one key value.

94. (Currently amended): The computer readable carrier-medium of claim 93, wherein the key definition is one of a plurality of key definitions in the database, wherein each of the plurality of key definitions in the database is associated with one of the plurality of processing parameter tables in the database.

95. (Currently amended): The computer readable carrier-medium of claim 94, wherein the plurality of key definitions are stored in one or more key definition tables, each key definition table being associated with one or more of the plurality of processing parameter tables, wherein reading the key definition from the database comprises reading the key definition from one of the key definition tables.